

Notice of Allowability

Application No.

10/622,731

Examiner

Tho v Duong

Applicant(s)

CHANG, NENG CHAO

Art Unit

3743

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/27/2004 and 8/11/2004.
2. ☒ The allowed claim(s) is/are 1-3 and 5-7.
3. ☒ The drawings filed on 24 November 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

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DETAILED ACTION

Receipt of applicant's amendment filed 7/27/2004 is acknowledged. Claims 1-3 and 5-7 are pending.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Morton J. Rosenberg on 8/11/2004.

The application has been amended as follows:

In the specification, on page 3, at line 9, after " the motor seat 11", 'surrounds' has been deleted, and -- is surrounded by -- has been inserted.

In the specification, on page 3, at line 10, after "a frame", -- 18 -- has been inserted.

In claim 1, at line 4, 'it' has been deleted, and --the first magnet-- has been inserted.

In claim 1, at line 4, after "a second rod,", --extending-- has been inserted.

In claim 1, at line 5, after "at the", 'front' has been deleted, and --circumference-- has been inserted.

In claim 1, at line 7, after "the cooling blades couple to", 'the front of first rod of motor seat' has been deleted, and --the circumference of the fan seat--has been inserted.

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In claim 1, at line 9, 'it' has been deleted, and -- the circular hollow room -- has been inserted.

In claim 5, at line 2, after "wherein", 'the' has been deleted, and --a-- has been inserted.

In claim 6, at line 2, before "CPU", 'the' has been deleted, and --a-- has been inserted.

Allowable Subject Matter

Claims 1-3 and 5-7 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art either taken singularly or in combination fails to disclose a water-cooled heat sink comprising a motor means comprising a motor seat having a room pivoting with a first magnet having at both end a first rod and a second rod extending over the room and at the circumference of the first magnet having a coil at the outside of the room; a fan means comprising a fan seat and a plurality of cooling blades coupled to the circumference of the fan seat, the fan seat couples to the first rod and having a circular hollow room depositing a second magnet in side the hollow room; a water-cooled means comprising a seat, a plurality of water-cooled blades and a pipeline wherein the seat deposits the side of motor means opposed to the fan means and has a chamber, and the water cooled blades connects to the second rod at the rear of first magnet in the chamber, and the pipeline includes an inlet and outlet to connect to the chamber for forming a cyclical path.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Schiller (US 6,720,688) discloses an apparatus having two magnet disposed within a room having a same shaft and a cooling fluid flowing through the housing.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Tho Duong whose telephone number is (703) 305-0768. The examiner can normally be reached on from 9:30-6 PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Bennet, can be reached on (703) 308-0101. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0861.

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August 13, 2004



Tho Duong

Patent Examiner.